

4. Important. 1985. PARIS. ADF. November French TV info 8 PM Antenna 2 « premiere »

This film was made by French television live and at a conference (3 min, OV)

This is the first presentation in the world (world premiere) of the realization in one session, directly in mouth, live and congress, of a crown adapted to its environment, in static occlusion and using the first known dental CAD CAM system. He already used the 3 steps of modern dental Cadam (optical footprint, CAD and machining). The whole Dental CAD CAM machine was present and connected in the conference room without external communication.

Henson International and its President Jean Pierre Hennequin are responsible for this decisive step in the **history of dentistry**. This is the « *DURET system* » (Dental Unit for Restorativ Esthetic Teeth) from the international Henson company. We also owe it to a high-level team led by exceptional Engineers, General Manager Gilles Deschelette, Technical Director Jean Louis Blouin, but also consultants more than brilliant and very high levels like Michel Théron (and Jean Claude Haas) from Matra Datavision or Jean Michel Decaudin (and Michel Lequime) from Bertin.

Always remember that without them, I couldn't have done anything.

This (successful) demonstration was not carried out in a confined and uncontrollable environment of an R&D laboratory, but at a congress in November 1985 during the international congress of the «Association Dentaire Française (ADF)» at the Palais des Congrès in Paris. It followed that of 1983, and was the subject, as in 1983, of a live television broadcast on the television news of Antenne 2 (France) and of a worldwide broadcast of information (see press clippings). In front of more than 600 dentists and using a CadCam system complete dental (**the first known and presented live on the stage of room 53a then a&b**) was **realized and sealed in mouth** a complete crown on Premolar adapted to its environment and occlusion.

Used separately

1. **An optical impression** of a profilometer phase preparation using a conical projection new IOS camera (and associated image processing) capable of taking 8 views and correlating them, developed with the company Bertin,

2. **a modeling of the surfaces** of a complete crown with cement space in an upper and lower hemiarcade in occlusion using a Digital Equipment Vax and a new version of a purely dental software using the heart of the Euclid volume CAD software, developed with Matra-Datavision

3. **The machining of a complete resin crown** (upper and lower surfaces) with a Kuhlmann 3-axis ½ CNC machine tool located in the room congress and developed for dental machining in the laboratory or in the office (change of 5 tools and automatic reversal).